

EYEZONE P102-5m

User Manual



FCC Notices

It's herewith confirmed to comply with the requirements of FCC Part 15 Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generated uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio of television reception, which can be determined by turning the equipment off or on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

CE Declaration

This device complies with CE class B.

*EN55013

EN61000-3-2

EN61000-3-3

EN55020

Printed in Taiwan R.O.C.

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Oct 26, 07

F34412F07

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1. PACKAGE CONTENT



P102-5m



User
Manual



Remote
Control



Power
Adapter



Protect
Cover

1. P102-5m
2. User Manual
3. Remote Control

4. Power Adapter (DC 12V, 2A)
5. Protect Cover

2. INTRODUCTION

The Eyezone P102-5m is a digital signage with a touch screen that plays picture, music and video without a computer. It uses media files from CF, SD, MMC and MS (Pro) memory card and displays them on a 10.2" touch screen with audio-out from the built-in speakers. It also has S-Video and Audio input as for the display.

With the touch screen function, you can control and play the demo files easily. The Eyezone P102-5m is an ideal Digital Signage Display solution for advertising, presentations, training, and other media applications.

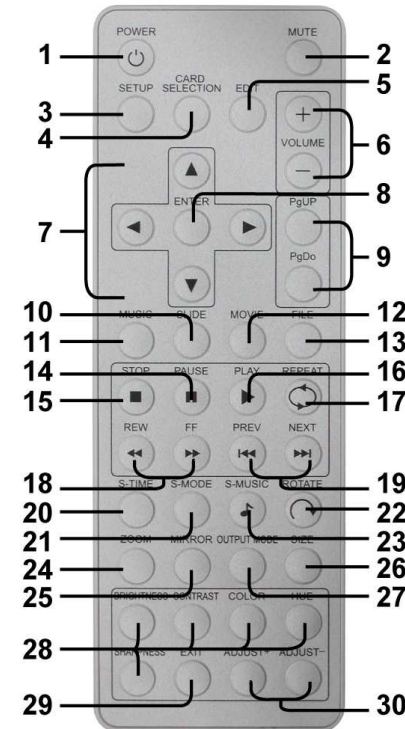
3. FEATURES

- Supports multiple file formats: Picture, Music and Video.
- Supports CF, SD, MMC and MS (Pro) memory card.
- Built-in 10.2" TFT-LCD display and stereo speakers.
- Supports S-Video and Audio input to connect to DVD player or video game player.
- Includes a full-function infrared remote control.
- Touch Screen Function: Control and play the videos and pictures from the screen.
- The multi layer touch screen can be designed according to customer's special requests.
- Multi-Language OSD : English, French, German, Italian, Portuguese, Spanish, Netherlands, Japanese and Chinese.
- Supports SLIDE SHOW Function: With 14 kinds of transition effects.
- Supports SLIDE TIME (INTERVAL) Mode : Interval time with 1, 3, 5, 10, 30, 60 seconds.
- Supports MUSIC SLIDE Show : Music and pictures play at the same time.
- Supports ZOOM IN (ON) 4x & PAN, ROTATE, MIRROR, PREVIEW and REPEAT.

4. HARDWARE OVERVIEW



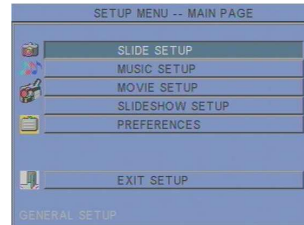
5. REMOTE CONTROL



- 1 Power on/ off
- 2 Mute sound
- 3 Open the setup menu
- 4 Memory card selection
- 5 Open the calibrate window
- 6 Volume up/ down
- 7 Move the cursor
- 8 Confirm the selection/ entry
- 9 Go to the previous/ next page or image
- 10 Display all photo files
- 11 Display all music files
- 12 Display all movie files
- 13 Go to file library (all files)
- 14 Pause/ resume playback
- 15 Stop playback
- 16 Play the selected file
- 17 Select the repeat mode
- 18 Rewind/ forward movies
- 19 View the previous/ next file
Play the previous/ next file if in playback
- 20 Set the slideshow interval to 1, 3, 5, 10, 30, 60 seconds
- 21 Set the transition effect
- 22 Rotate photo 90 degrees clockwise on the screen
- 23 Play music and pictures at the same time
- 24 Zoom in the image up to 4x magnification
- 25 Mirror the image horizontally
- 26 Set the screen type to 16:9 or 4:3
- 27 Select the output mode
- 28 Set the Brightness/ Contrast/ Color/ Hue/ Sharpness of the panel
- 29 To save and quit the setting screen of panel
- 30 Adjust the Brightness/ Contrast/ Color/ Hue/ Sharpness of the panel

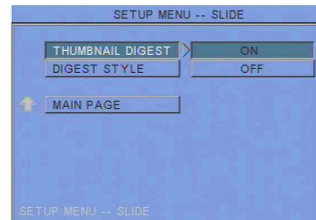
6. SETTING UP

- Press the “SETUP” button on the remote control to open the “SETUP MENU – MAIN PAGE” shown in the following figure. There are five groups of sub-menu in the setup menu.
- Use the “▲、▼、◀、▶” buttons to select an item or to adjust values, and use the “ENTER” button to go into the function or to confirm the command.



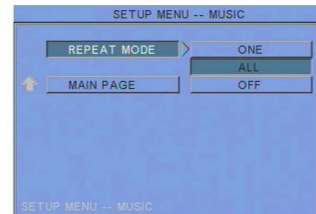
6.1 SLIDE SETUP

- **THUMBNAIL DIGEST** : Thumbnails load faster and allow you to browse photos easily.
- **DIGEST STYLE** : Choose the slide preview mode. (2x2 / 3x3)



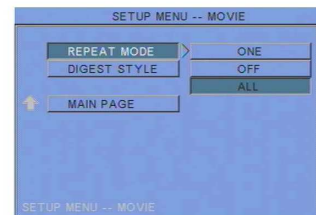
6.2 MUSIC SETUP

- **REPEAT MODE**
 - **ONE** : Repeat the selected song.
 - **ALL** : Repeat all the songs on the memory card.
 - **OFF** : Turn off the repeat function.



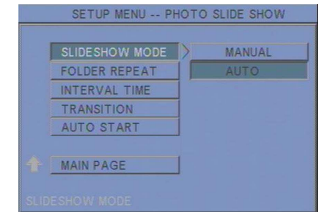
6.3 MOVIE SETUP

- **REPEAT MODE**
 - **ONE** : Repeat the selected movie.
 - **OFF** : Turn off the repeat function.
 - **ALL** : Plays all the movies on the memory card.
- **DIGEST STYLE** : Choose the movie preview mode. (2x2 / 3x3)



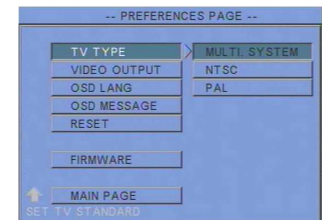
6.4 SLIDESHOW SETUP

- **SLIDESHOW MODE** : Set the slideshow to start automatically.
- **FOLDER REPEAT** : Set all files (picture, music or movie) in the folder to show only once or continuously (loop).
- **INTERVAL TIME** : Set the time each photo is shown to 1, 3, 5, 10, 30 or 60 seconds.
- **TRANSITION (EFFECT)** : Set the transition effect and auto slide with sequential or random playback.
- **AUTO START** : Enable/ disable auto playing media files on the memory card when the device is turned on.



6.5 PREFERENCE

- **TV TYPE**: Choose the TV TYPE.
 - **MULTI . SYSTEM** : Set the TV type automatically.
 - **NTSC**: Set the TV type to NTSC.
 - **PAL**: Set the TV type to PAL.
- **VIDEO OUTPUT** : Select the video output mode.
- **OSD LANG**: Select the OSD language (ENGLISH, FRENCH, GERMAN, ITALIAN, JAPANESE, PORTUGUESE, SPANISH and NEDERLANDS).
- **OSD MESSAGE**: Turn the OSD message function on/ off.
- **RESET**: Reset all settings to the original (factory) settings.
- **FIRMWARE** : New F/W can upgraded from the memory card.
 - **EDITION** : Show the F/W versions.
 - **UPDATE** : Used to update the F/W.

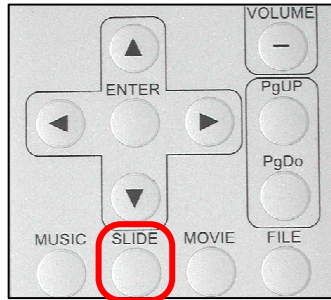


7. USING THE P102-5m

Copy files (music, picture and movie) to the memory card first.

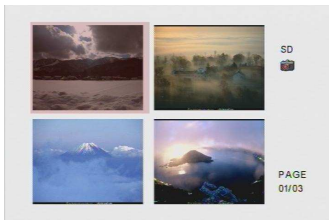
7.1 PLAY PICTURE FILE

Step 1: Press the “SLIDE” button on the remote control from any menu.



Step 2: The preview mode will show all the picture files on the memory card.

Use the “▲、▼、◀、▶” buttons to select the picture file, and press the “ENTER” button to play the picture file.

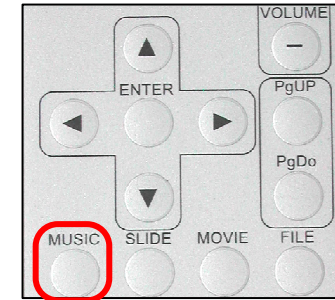


Step 3: If the “SLIDESHOW MODE” is disabled, press the “NEXT” button to play the next picture file, the “PREV” button to play the previous file.



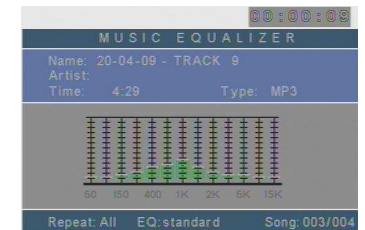
7.2 PLAY MUSIC FILE

Step 1: Press the “MUSIC” button on the remote control from any menu.



Step 2: The “MUSIC LIBRARY” will show all the music files on the memory card.

Use the “▲、▼” buttons to select the music file, and press the “ENTER” button to play the music file.

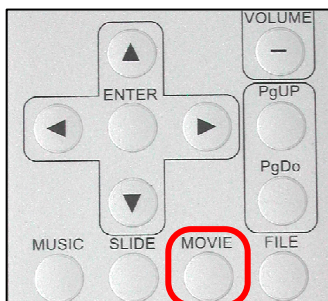


Step 3: Press the “NEXT” button to play the next music file, the “PREV” button to play the previous file.



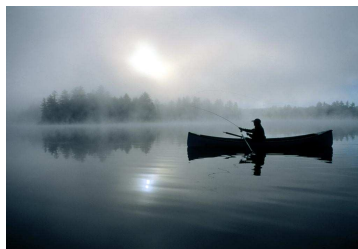
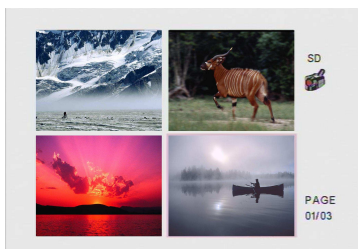
7.3 PLAY MOVIE FILE

Step 1: Press the “MOVIE” button on the remote control from any menu.



Step 2: The preview mode will show all the video files on the memory card.

Use the “▲、▼、◀、▶” buttons to select the movie file, and press the “ENTER” button to play the movie file.



Step 3 : Press the “NEXT” button to play the next movie file, the “PREV” button to play the previous file.



7.4 FILE LIBRARY

Step 1 : Press the “FILE” button on the remote control from any menu.



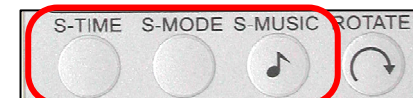
Step 2 : You can see all the files (including picture, music and movie) on the left panel of the “FILE LIBRARY”. Press the “▲、▼” buttons to select a file, and the information of the file will be shown on the right panel.



7.5 HOT KEY

You can use the “S-TIME”, “S-MODE” or “S-MUSIC” hot key on the remote control without selecting from the “Setup Menu”. (These functions are only used for playing picture files.)

- **S-TIME** : Interval time with 1, 3, 5, 10, 30, 60 seconds.
- **S-MODE** : With sequential, random auto slide shows etc 14 kind of selections
- **S-MUSIC** : Play the picture and music files at the same time.



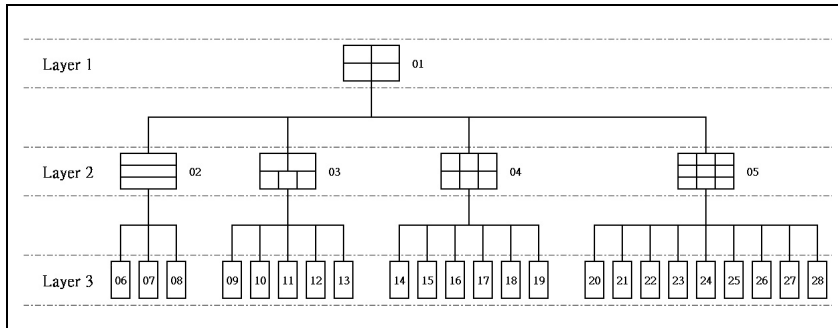
8. TOUCH SCREEN FUNCTION

There are two types of multi layer touch screen functions available: Standard (version: 28 files) and Advance (version: theater).

8.1 STANDARD TYPE (version: 28 files)

8.1.1 Tree Diagram

- The Standard type supports 3 layers and 5 kinds of division buttons (3/ 4/ 5/ 6/ 9 division buttons).



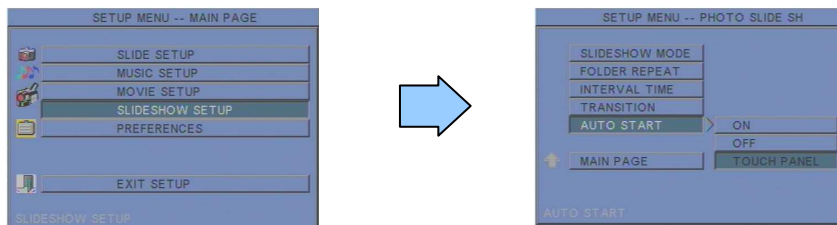
■ Create Files on a PC

- Step 1 :** Create the default file which show the 4 division buttons (layer 1), and name the file "01_xxx.xxx".
- Step 2 :** Create four demo files which show the 3/ 5/ 6/ 9 division buttons (layer 2), and name the files "02_xxx.xxx ~ 05_xxx.xxx".
- Step 3 :** Create 23 demo files which show the 1 division button (layer 3), and name the files "06_xxx.xxx~28_xxx.xxx"
- Step 4 :** Copy all the files (28 files) to the memory card.

8.1.2 Play a File on the Touch Screen

Make sure the "TOUCH PANEL" function is enabled first.

"SLIDESHOW SETUP" → "AUTO START" → "TOUCH PANEL"



- **Play File :** Touch the button area to play the corresponding file.



- **Button Functions :** There are three buttons below on the screen while broadcasting files.
 - **HOME :** Touch this button to back and play the default file (layer 1).
 - **PREV :** Touch this button to get back to the previous layer.
 - **REPLAY :** Touch this button to replay the file.



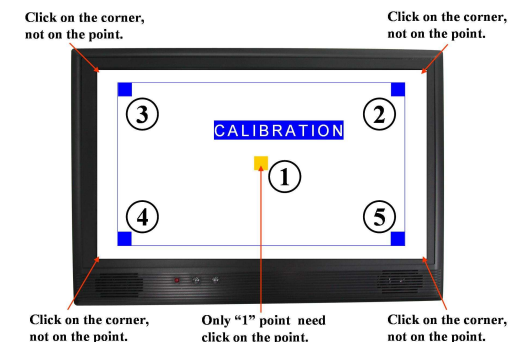
8.1.3 Screen Calibration

NOTE : The device has already been calibrated from the factory. Calibration only needed to be performed if the screen inaccuracy is noticed.

Step 1 : Press the "EDIT" button on remote control to open the "CALIBRATION" window.

Step 2 : There are five calibration points displayed, touch (click) and hold on the center of calibration point "1" or the corner of the display area (calibration points "2~5") until the next calibration point changes the color from blue to yellow.

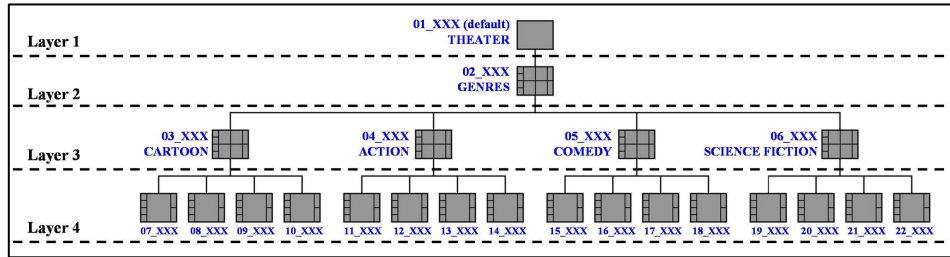
Step 3 : Finish the calibration steps from point "1~5" twice, then the "CALIBRATION OK" will appear on the screen. The calibration window will now exit.



8.2 ADVANCE TYPE (version: theater)

8.2.1 Tree Diagram

- The advance type supports 4 layers.



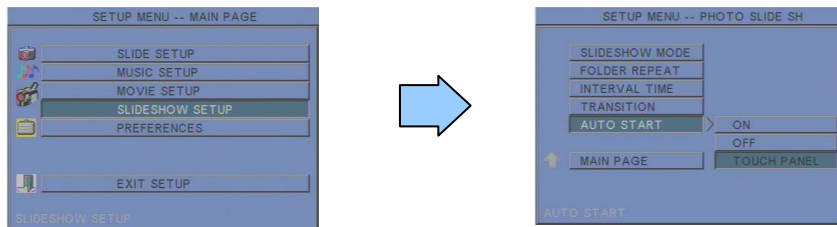
■ Create Files on a PC

- Step 1 :** Create a default file which show the 1 division button (layer 1), and name the file "01_XXX.xxx".
- Step 2 :** Create a demo file which show the 10 division buttons (layer 2), and name the file "02_XXX.xxx".
- Step 3 :** Create 4 demo files which show the 10 division buttons (layer 3), and name the files "03_XXX.xxx ~ 06_XXX.xxx".
- Step 4 :** Create 16 demo files which show the 7 division buttons (layer 4), and name the files "07_XXX.xxx ~ 22_XXX.xxx".
- Step 5 :** Copy all the files (22 files) on the memory card.

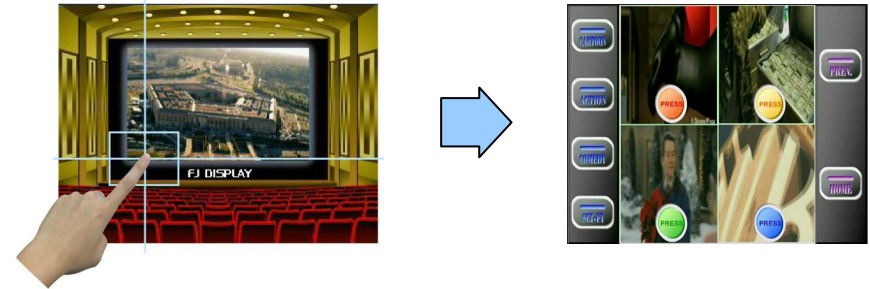
8.2.2 Play a File on the Touch Screen

Make sure the "TOUCH PANEL" function is enabled first.

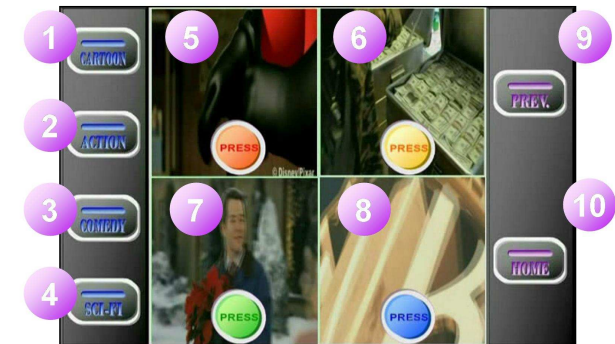
"SLIDESHOW SETUP" → "AUTO START" → "TOUCH PANEL"



- In this example, P102-5m will auto display the default file "01_XXX.xxx" (theater) repeatedly. You can touch the screen anywhere to go to 02_XXX.xxx (GENRES).



- There are 10 division buttons in 02_XXX (GENRES).
 - Touch the area "1" or "5" to go to 03_XXX (CARTOON).
 - Touch the area "2" or "6" to go to 04_XXX (ACTION).
 - Touch the area "3" or "7" to go to 05_XXX (COMEDY).
 - Touch the area "4" or "8" to go to 06_XXX (SCIENCE FICTION).
 - Touch the area "9" to go to the previous frame.
 - Touch the area "10" to back to 01_XXX (theater).



- There are 10 division buttons in 03_xxx (CARTOON).
 - Touch the area “1” to go to 03_xxx (CARTOON).
 - Touch the area “2” to go to 04_xxx (ACTION).
 - Touch the area “3” to go to 05_xxx (COMEDY).
 - Touch the area “4” to go to 06_xxx (SCIENCE FICTION).
 - Touch the area “5” to go to 07_xxx in the layer 3.
 - Touch the area “6” to go to 08_xxx in the layer 3.
 - Touch the area “7” to go to 09_xxx in the layer 3.
 - Touch the area “8” to go to 10_xxx in the layer 3.
 - Touch the area “9” to go to the previous frame.
 - Touch the area “10” to back to 01_xxx (theater).



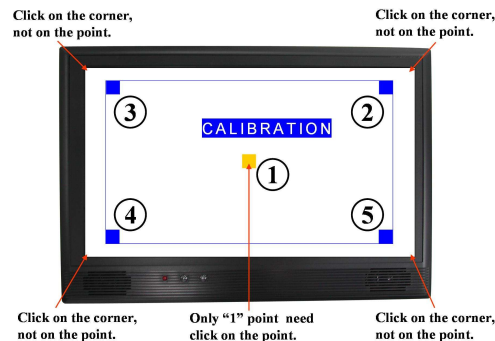
8.2.3 Screen Calibration

NOTE : The device has already been calibrated from the factory. Calibration only needed to be performed if the screen inaccuracy is noticed.

Step 1 : Press the “EDIT” button on remote control to open the “CALIBRATION” window.

Step 2 : There are five calibration points displayed, touch (click) and hold on the center of calibration point “1” or the corner of the display area (calibration points “2~5”) until the next calibration point changes the color from blue to yellow.

Step 3 : Finish the calibration steps from point “1~5” twice, then the “CALIBRATION OK” will appear on the screen. The calibration window will now exit.



9. WORKS WITH TIMER & LOG FUNCTIONS

9.1 TIMER FUNCTION (optional)

NOTE : Make sure the insulating slice has already been taken out.



Battery for timer

- Press the “EDIT” button on remote control to open the timer setup window.
 - Use the Left and Right buttons on the remote control to select each item.
 - Use the Up and Down buttons on the remote control to change the value.
 - Press EDIT button on remote control to save and quit the timer setup screen.
- “Date / Time and Timer Setup” Window
 - Date/ Time Setup: Set the current date (year/ month/ day) and time (hour/ minute/ second)
 - Timer Setup:
 - Power On Time: Set the time of auto power on.
 - Power Off Time: Set the time of auto power off.



9.2 LOG FUNCTION (optional)

The Eyezone P102-5m will auto create a log file that included **Filename**, **Play times** and **Last Play Time** of each file every day, and you can use the tool **WordPad** to open the file on your PC.

Filename: List all the files display the day.

Play Times: List play times of the file.

Last Play Time: Display the starting time of last display the day.

Filename	Play time (s)	Last Play Time

02_GENRES.MPG	000002	12:32
03_CARTOON.MPG	000005	15:30
04_ACTION.MPG	000006	19:11
05_COMEDY.MPG	000005	20:35

10. TROUBLESHOOTING

Situation	Check Point
No Picture	1. Check if the power supply is connected. 2. Make sure the P102-5m is turned on.
No response from the remote control	1. Make sure there is a clear view between the remote control and the device. 2. Change the remote control's batteries.
Memory card	1. Push cards gently and securely. 2. If the card does not insert easily, check the direction. 3. Confirm format of the card. The P102-5m supports CF, SD, MMC and MS (Pro) memory card.
No sound	1. Check if the mute function is on. 2. Check if the volume is turned up.
Timer inaccuracy (for timer function)	1. Press "EDIT" key to open the timer setup window, confirm whether time is correct. 2. If using the "Timer Function", it is suggested to check whether the time is correct every three months.